

FS 2.60/9: 11/29

Morbidity and Mortality

Weekly
Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

Prepared by the

COMMUNICABLE DISEASE CENTER

MEIrose 4-5131

For release July 27, 1962

ATLANTA 22, GEORGIA

Vol. 11, No. 29

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON
DEATHS IN SELECTED CITIES FOR WEEK ENDED JULY 21, 1962

POLIOMYELITIS – The report of 23 cases, 19 paralytic, for the week ending July 21, 1962, represents the largest number of paralytic cases to be reported for any single week in 1962. Eleven of the paralytic cases were from Texas, as were all 4 of the non-paralytic; this State again accounted for over half of the poliomyelitis cases occurring in the nation.

In Texas, 3 paralytic cases were reported from Dallas County and 1 each from nearby Collin and Parker Counties. The total number of reported paralytic cases from Dallas County now stands at 12. Harris County (Houston) reported one paralytic case this week, raising their 1962 total to 7. The remaining paralytic and non-paralytic cases were scattered throughout the State.

The three cases reported from Oregon this week represent delayed reports of cases having onsets of illness in May. The cases occurred in residents of Portland, Oregon who had received Type I and Type III oral poliovaccine in mass immunization campaigns in that city. Type III poliovirus has been recovered from the stools of these patients. Further studies are being made.

Elsewhere in the nation single cases were reported from Massachusetts, New York, and Illinois. California reported two cases. No case concentrations have been noted in these States.

Although the number of paralytic cases in the nation thus far in 1962 exceeds that for a comparable period in 1961 the total number of cases this year is still below

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	29th Week			Cumulative		
	Ended	Ended	Median	First 29 weeks		Median
	July 21, 1962	July 22, 1961	1957 - 1961	1962	1961	1957 - 1961
Aseptic meningitis.....	82	65	---	788	964	---
Brucellosis	10	20	16	232	341	447
Diphtheria	4	1	8	229	318	370
Encephalitis, infectious.....	33	46	46	884	837	845
Hepatitis, infectious and serum...	854	1,110	307	33,810	46,203	12,907
Measles	3,730	4,057	4,155	431,529	374,955	382,618
Meningococcal infections.....	48	36	41	1,317	1,303	1,454
Poliomyelitis, total.....	23	11	124	270	288	911
Paralytic	19	6	52	206	186	437
Nonparalytic.....	4	5	49	42	66	316
Unspecified.....	-	-	23	22	36	158
Streptococcal sore throat and Scarlet fever	3,354	2,886	---	207,028	216,572	---
Tetanus	10	---	---	121	---	---
Tularemia	14	---	---	157	---	---
Typhoid fever	16	21	24	289	355	395
Typhus fever, tick-borne, (Rocky Mountain spotted).....	14	---	---	111	---	---
Rabies in Animals.....	66	56	72	2,391	2,041	2,257

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:
Botulism:
Malaria: Mass. - 1, Va. - 1
Plague:

Psittacosis:
Rabies in Man:
Smallpox:
Typhus, murine: Ark. - 1, Ga. - 1

CONFIRMED AND PRESUMPTIVE HUMAN CASES, 1961
WESTERN ENCEPHALITIS ST. LOUIS ENCEPHALITIS



last year's total. Comparable totals for the past 5 years is shown below:

Polio (Cumulated Weekly) through 29th Week for Past Five Years

	1962	1961	1960	1959	1958
Paralytic	206	186	528	1151	475
Total	270	288	724	1733	949

HEPATITIS — Reported hepatitis cases rose for the second consecutive week. A total of 854 cases were reported for the week ending July 21 compared to 752 and 605 cases during preceding weeks. States reporting increases are geographically scattered. Notably disproportionate numbers of adult cases are reported from New York and California.

ARTHROPOD-BORNE ENCEPHALITIS UNITED STATES - 1961

In 1961, a total of 74 cases, 11 deaths, of arthropod-borne virus encephalitis were reported to the Encephalitis Surveillance Unit. This represents but the second year since the initiation of surveillance in 1955 that the total has been below 100. Confirmed and presumptive cases since 1955 are shown in the table below:

HUMAN ARTHROPOD-BORNE ENCEPHALITIS 1955-1961

	Western Encephalitis	Eastern Encephalitis	St. Louis Encephalitis
1955	37	15	107
1956	47	15	563
1957	35	5	147
1958	141	2	94
1959	14	36	118
1960	21	3	21
1961	27	1	43

Cases of Western Encephalitis totaled 27 with three deaths. Fourteen of these were reported from eight different counties in Texas; the remainder originated from seven other Western and Mid-Western States. Forty-three cases of St. Louis Encephalitis were reported, of which 24 were from three adjacent Florida counties (see epidemiological summary); the remaining nineteen cases were from scattered areas in Texas, California and Ohio. One presumptive case of Eastern Encephalitis in a 53-year-old woman was reported from Wisconsin. Cases by age are shown below:

CASES OF WESTERN ENCEPHALITIS AND
ST. LOUIS ENCEPHALITIS BY AGE

Age Group	Western Encephalitis	St. Louis Encephalitis
0-4	4	0
5-9	3	1
10-19	2	5
20-29	3	5
30-39	5	4
40-49	4	4
50-59	3	5
60-69	0	4
70+	1	12
Unknown	2	3
Total	27	43

The expected late summer-early fall concentration of cases was again noted for both types of encephalitis.

SEASONAL INCIDENCE OF HUMAN CASES OF
WESTERN ENCEPHALITIS AND ST. LOUIS ENCEPHALITIS

	Western Encephalitis	St. Louis Encephalitis
January-May	0	0
June	0	1
July	3	2
August	13	2
September	9	10
October	1	9
November	0	14
December	0	3
Total	27*	43**

* One case - onset unknown

** Two cases - onset unknown

St. Louis Encephalitis - Florida - A discrete outbreak of St. Louis Encephalitis in the Tampa Bay area, Florida, was investigated by Dr. James O. Bond, Director, Bureau of Preventable Disease, Florida State Board of Health, and a team from the Communicable Disease Center. This was the only recognized arthropod-borne encephalitis outbreak of the year.

Between October 3, 1961, and December 17, 1961, a total of 24 clinical cases of St. Louis Encephalitis with 7 deaths occurred in the three adjacent Gulf Coast counties, Pinellas, Manatee, and Sarasota.

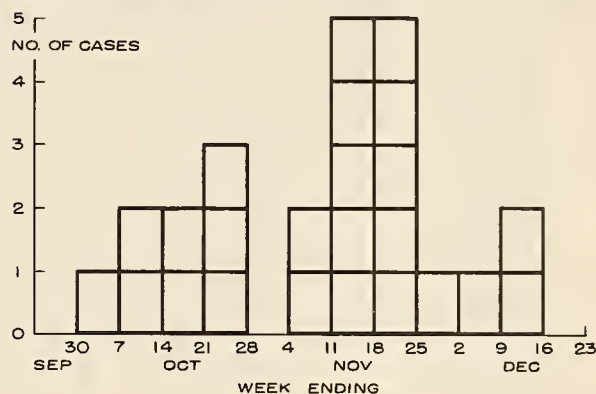
Thirteen of the cases were over the age of 60; the youngest case was in a 13-year-old boy. No cases were known to have occurred among the Negro population. Cases and deaths by age are shown below:

Age Group	Cases	Deaths
10-19	1	0
20-29	3	1
30-39	1	1
40-49	2	0
50-59	3	1
60-69	2	0
70+	11	4
	24*	7

* One case - age unknown

The first cases occurred in early October in St. Petersburg near the lake and the city park zoo and seven of the eventual nine St. Petersburg cases lived in this vicinity. Cases in Bradenton and Sarasota commenced two to three weeks following the initial St. Petersburg cases. The cases by dates of onset are shown in the graph.

ST. LOUIS ENCEPHALITIS CASES BY WEEK
FLORIDA, 1961

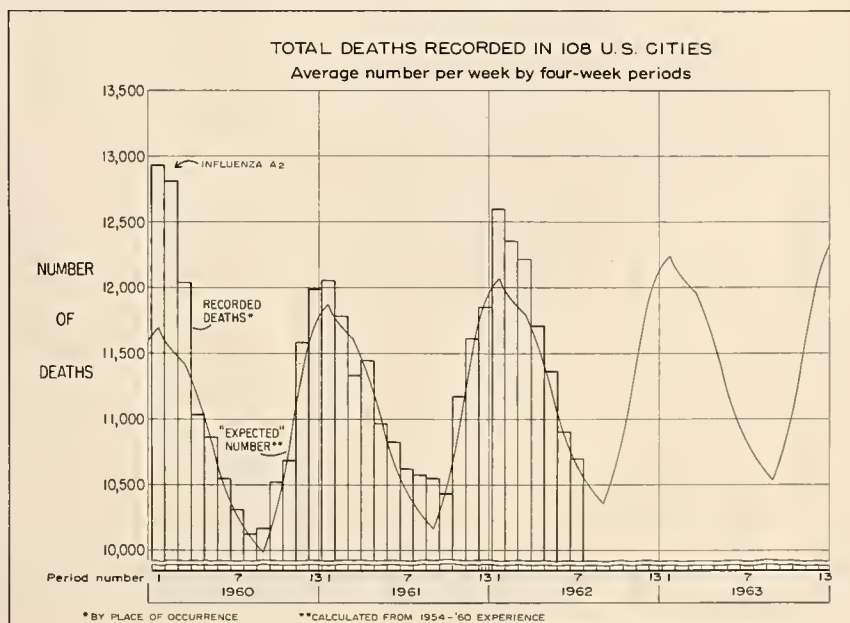


(Continued on page 232)

TOTAL DEATHS REPORTED IN 108 CITIES

The weekly average number of total deaths in 108 cities for the four-week period ending July 21 was 10,699 as compared with an expected 10,631 weekly average.

	WEEK ENDING				4 Week Total	Weekly Average
	6/30	7/7	7/14	7/21		
Observed	10,856	10,057	11,118	10,767	42,798	10,699
Expected	10,696	10,648	10,608	10,573	42,525	10,631
Excess	160	-591	510	194	273	68



(See Table, page 231)

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

JULY 22, 1961 AND JULY 21, 1962

Area	Poliomyelitis, Total Cases				Poliomyelitis, Paralytic				Poliomyelitis, Nonparalytic		Aseptic Meningitis	
	29th week		Cumulative First 29 weeks		29th week		Cumulative First 29 weeks		29th week		29th week	
	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961	1962	1961
UNITED STATES.....	23	11	270	288	19	6	206	186	4	5	82	65
NEW ENGLAND.....	1	1	5	4	1	1	5	4	-	-	1	12
Maine.....	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	1	-	1	-	1	-	1	-	-	-	-
Massachusetts.....	1	-	3	2	1	-	3	2	-	-	1	3
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	9
Connecticut.....	-	-	2	1	-	-	2	1	-	-	-	-
MIDDLE ATLANTIC.....	1	-	35	22	1	-	22	19	-	-	1	5
New York.....	1	-	35	9	1	-	22	7	-	-	-	-
New Jersey.....	-	-	-	10	-	-	-	9	-	-	-	-
Pennsylvania.....	-	-	-	3	-	-	-	3	-	-	1	5
EAST NORTH CENTRAL.....	1	-	13	30	1	-	9	19	-	-	8	10
Ohio.....	-	-	5	12	-	-	5	6	-	-	4	2
Indiana.....	-	-	3	4	-	-	2	3	-	-	-	-
Illinois.....	1	-	4	8	1	-	2	6	-	-	2	3
Michigan.....	-	-	-	3	-	-	-	3	-	-	1	5
Wisconsin.....	-	-	1	3	-	-	-	1	-	-	1	-
WEST NORTH CENTRAL.....	-	-	11	18	-	-	7	9	-	-	3	4
Minnesota.....	-	-	3	3	-	-	3	3	-	-	3	4
Iowa.....	-	-	3	1	-	-	2	-	-	-	-	-
Missouri.....	-	-	5	8	-	-	2	2	-	-	-	-
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	2	-	-	-	2	-	-	-	-
Kansas.....	-	-	-	4	-	-	-	2	-	-	-	-
SOUTH ATLANTIC.....	-	1	14	46	-	-	11	31	-	1	3	5
Delaware.....	-	-	-	2	-	-	-	1	-	-	-	-
Maryland.....	-	-	-	3	-	-	-	3	-	-	-	-
District of Columbia..	-	-	1	-	-	-	-	-	-	-	-	-
Virginia.....	-	-	2	-	-	-	2	-	-	-	3	1
West Virginia.....	-	-	3	7	-	-	3	4	-	-	-	-
North Carolina.....	-	1	2	5	-	-	1	3	-	1	-	-
South Carolina.....	-	-	1	4	-	-	1	4	-	-	-	-
Georgia.....	-	-	2	16	-	-	2	10	-	-	-	2
Florida.....	-	-	3	9	-	-	2	6	-	-	-	2
EAST SOUTH CENTRAL.....	-	-	10	29	-	-	6	12	-	-	16	3
Kentucky.....	-	-	5	16	-	-	3	2	-	-	-	-
Tennessee.....	-	-	3	5	-	-	1	2	-	-	9	2
Alabama.....	-	-	2	4	-	-	2	4	-	-	-	-
Mississippi.....	-	-	-	4	-	-	-	4	-	-	7	1
WEST SOUTH CENTRAL.....	15	5	140	51	11	2	110	28	4	3	24	3
Arkansas.....	-	1	1	2	-	-	1	-	-	1	-	-
Louisiana.....	-	-	8	13	-	-	7	10	-	-	-	-
Oklahoma.....	-	-	2	1	-	-	-	-	-	-	2	-
Texas.....	15	4	129	35	11	2	102	18	4	2	22	3
MOUNTAIN.....	-	2	9	24	-	1	7	14	-	1	1	-
Montana.....	-	-	3	2	-	-	2	2	-	-	-	-
Idaho.....	-	1	-	5	-	1	-	2	-	-	-	-
Wyoming.....	-	-	1	-	-	-	1	-	-	-	-	-
Colorado.....	-	-	1	3	-	-	-	3	-	-	-	-
New Mexico.....	-	1	-	2	-	-	-	-	-	1	-	-
Arizona.....	-	-	3	5	-	-	3	3	-	-	1	-
Utah.....	-	-	1	7	-	-	1	4	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	5	2	33	64	5	2	29	50	-	-	25	23
Washington.....	-	-	-	8	-	-	-	8	-	-	-	1
Oregon.....	3	-	5	7	3	-	5	1	-	-	1	-
California.....	2	2	27	47	2	2	23	39	-	-	24	22
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	1	2	-	-	1	2	-	-	-	-
Puerto Rico.....	-	-	8	5	-	-	8	5	-	-	-	-

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

JULY 22, 1961 AND JULY 21, 1962 - (Continued)

Area	Brucellosis		Diphtheria		Encephalitis, Infectious		Hepatitis, Infectious and serum				Measles	
	29th week	Cumulative 29 weeks	29th week	Cumulative 29 weeks	29th week		29th week				29th week	
							Under 20 yr.	20 & over	Total	Total		
							1962	1962	1962	1961		
UNITED STATES.....	10	232	4	229	33	46	401	405	854	1,110	3,730	4,057
NEW ENGLAND.....	-	-	-	1	1	2	30	17	47	37	415	349
Maine.....	-	-	-	-	-	-	13	5	18	1	41	33
New Hampshire.....	-	-	-	-	-	-	-	-	-	3	-	2
Vermont.....	-	-	-	-	-	-	-	-	-	1	30	19
Massachusetts.....	-	-	-	1	1	2	15	7	22	21	254	214
Rhode Island.....	-	-	-	-	-	-	-	-	-	3	25	39
Connecticut.....	-	-	-	-	-	-	2	5	7	8	65	42
MIDDLE ATLANTIC.....	-	5	-	4	10	9	63	77	140	128	730	993
New York.....	-	1	-	2	7	8	27	39	66	67	443	565
New Jersey.....	-	1	-	1	-	-	10	12	22	22	203	209
Pennsylvania.....	-	3	-	1	3	1	26	26	52	39	84	219
EAST NORTH CENTRAL.....	3	60	-	6	2	7	90	87	186	219	846	1,168
Ohio.....	-	1	-	-	1	-	16	21	43	46	101	208
Indiana.....	-	5	-	3	-	-	11	5	16	19	81	62
Illinois.....	2	44	-	-	-	4	21	27	50	47	88	319
Michigan.....	-	3	-	3	1	3	36	31	67	101	390	326
Wisconsin.....	1	7	-	-	-	-	6	3	10	6	186	253
WEST NORTH CENTRAL.....	6	93	-	53	2	-	30	25	61	91	55	67
Minnesota.....	3	8	-	16	2	-	4	8	14	24	5	2
Iowa.....	3	56	-	1	-	-	9	5	15	22	16	45
Missouri.....	-	2	-	5	-	-	5	1	7	28	5	8
North Dakota.....	-	1	-	6	-	-	8	5	13	-	24	10
South Dakota.....	-	4	-	11	-	-	-	-	-	-	5	-
Nebraska.....	-	9	-	13	-	-	1	2	5	10	-	2
Kansas.....	-	13	-	1	-	-	3	4	7	7	NN	NN
SOUTH ATLANTIC.....	-	18	2	43	5	4	48	48	100	156	432	329
Delaware.....	-	-	-	-	-	-	-	2	2	2	224	4
Maryland.....	-	-	-	-	-	1	10	7	17	9	31	45
District of Columbia..	-	-	-	1	-	1	-	-	-	4	2	10
Virginia.....	-	9	2	9	2	-	6	5	14	18	69	100
West Virginia.....	-	-	-	1	1	-	3	4	8	26	47	97
North Carolina.....	-	2	-	4	-	-	16	11	27	25	6	11
South Carolina.....	-	-	-	5	-	-	3	-	3	2	2	2
Georgia.....	-	2	-	4	-	-	1	2	3	24	-	3
Florida.....	-	5	-	19	2	2	9	17	26	46	51	57
EAST SOUTH CENTRAL.....	-	11	-	16	2	5	42	36	78	143	185	163
Kentucky.....	-	1	-	-	-	-	11	7	18	46	26	32
Tennessee.....	-	4	-	7	1	-	15	6	21	55	138	123
Alabama.....	-	5	-	3	-	-	13	13	26	22	9	8
Mississippi.....	-	1	-	6	1	5	3	10	13	20	12	-
WEST SOUTH CENTRAL.....	-	16	2	87	-	1	36	23	61	92	210	114
Arkansas.....	-	1	-	10	-	-	9	-	9	14	-	-
Louisiana.....	-	2	1	8	-	-	2	2	4	12	6	2
Oklahoma.....	-	2	-	5	-	1	2	2	4	2	1	2
Texas.....	-	11	1	64	-	-	23	19	44	64	203	110
MOUNTAIN.....	-	7	-	9	1	-	9	13	43	66	367	311
Montana.....	-	1	-	6	-	-	2	3	5	1	77	30
Idaho.....	-	1	-	1	-	-	-	-	4	1	50	35
Wyoming.....	-	-	-	-	-	-	-	-	-	7	6	1
Colorado.....	-	2	-	-	-	-	-	-	6	11	158	28
New Mexico.....	-	-	-	2	-	-	4	-	4	7	NN	NN
Arizona.....	-	2	-	-	1	-	-	-	11	16	76	50
Utah.....	-	1	-	-	-	-	3	10	13	20	-	42
Nevada.....	-	-	-	-	-	-	-	-	-	3	-	125
PACIFIC.....	1	22	-	10	10	18	53	79	138	178	490	563
Washington.....	-	-	-	-	2	1	3	8	17	19	31	27
Oregon.....	-	1	-	-	-	1	10	1	11	22	113	117
California.....	1	19	-	5	7	16	32	68	100	132	237	398
Alaska.....	-	1	-	5	1	-	8	2	10	5	1	7
Hawaii.....	-	1	-	-	-	-	-	-	-	-	108	14
Puerto Rico.....	-	-	1	28	-	-	10	-	10	22	40	41

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Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED

JULY 22, 1961 AND JULY 21, 1962 - (Continued)

Area	Meningococcal Infections		Streptococcal Sore Throat & Scarlet Fever		Tetanus	Tickborne Typhus (Rocky Mt. Spotted)	Tularemia	Typhoid Fever		Rabies in Animals		
	29th wk.	Cumulative 29 weeks	29th week		29th wk.	29th wk.	29th wk.	29th wk.	Cumulative 29 weeks	29th week		Cumulative 29 weeks
	1962	1962	1962	1961	1962	1962	1962	1962	1962	1962	1961	1962
UNITED STATES....	48	1,317	3,354	2,886	10	14	14	16	289	66	56	2,391
NEW ENGLAND.....	4	83	236	96	-	-	-	1	4	-	-	-
Maine.....	-	12	32	2	-	-	-	-	1	-	-	-
New Hampshire.....	-	3	1	5	-	-	-	-	-	-	-	-
Vermont.....	-	2	9	6	-	-	-	-	-	-	-	-
Massachusetts.....	4	36	25	29	-	-	-	2	-	-	-	-
Rhode Island.....	-	7	16	8	-	-	-	1	1	-	-	-
Connecticut.....	-	23	153	46	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC....	9	222	100	136	-	3	-	2	32	5	2	74
New York.....	1	100	79	117	-	3	-	1	18	5	1	51
New Jersey.....	4	55	8	11	-	-	-	-	8	-	-	-
Pennsylvania.....	4	67	13	8	-	-	-	1	6	-	1	23
EAST NORTH CENTRAL..	9	260	320	179	-	-	2	3	48	7	10	563
Ohio.....	2	77	32	30	-	-	-	3	26	-	1	277
Indiana.....	-	22	93	31	-	-	1	-	3	3	2	161
Illinois.....	6	55	38	36	-	-	-	-	12	3	6	78
Michigan.....	1	86	105	43	-	-	-	-	4	-	-	25
Wisconsin.....	-	20	52	39	-	-	1	-	3	1	1	22
WEST NORTH CENTRAL..	5	74	57	72	1	-	-	-	10	16	17	614
Minnesota.....	2	14	5	-	-	-	-	-	-	4	4	130
Iowa.....	-	10	19	16	-	-	-	-	1	4	4	251
Missouri.....	1	19	-	1	-	-	-	7	4	4	5	101
North Dakota.....	-	6	30	38	-	-	-	-	-	1	1	44
South Dakota.....	-	3	3	1	-	-	-	-	1	1	2	70
Nebraska.....	2	12	-	-	-	-	-	-	1	2	-	15
Kansas.....	-	10	-	16	1	-	-	-	-	-	1	3
SOUTH ATLANTIC.....	6	216	418	237	3	8	1	1	52	15	4	204
Delaware.....	2	29	-	1	-	-	-	-	1	-	-	-
Maryland.....	1	12	9	3	-	2	-	-	3	-	-	1
Dist. of Columbia..	-	7	1	4	-	-	-	-	4	-	-	-
Virginia.....	2	46	86	55	1	1	-	1	11	5	2	91
West Virginia.....	-	12	83	76	-	-	-	-	2	8	2	76
North Carolina.....	1	52	4	7	1	3	-	-	3	-	-	-
South Carolina.....	-	12	91	15	-	-	-	-	4	-	-	-
Georgia.....	-	8	-	10	-	2	1	-	15	-	-	5
Florida.....	-	38	144	66	1	-	-	-	9	2	-	31
EAST SOUTH CENTRAL..	4	87	692	536	4	2	-	2	23	4	6	274
Kentucky.....	-	19	40	35	-	-	-	-	4	3	4	96
Tennessee.....	1	37	603	453	1	2	-	-	10	1	2	160
Alabama.....	-	17	2	1	1	-	-	-	7	-	-	18
Mississippi.....	3	14	47	47	2	-	-	2	2	-	-	-
WEST SOUTH CENTRAL..	4	114	422	617	2	1	10	2	73	12	15	469
Arkansas.....	1	12	-	3	-	-	6	1	11	-	5	54
Louisiana.....	1	53	1	1	-	-	4	-	18	2	-	16
Oklahoma.....	1	6	18	73	-	1	-	-	4	-	-	20
Texas.....	1	43	403	540	2	-	-	1	40	10	10	379
MOUNTAIN.....	1	42	634	681	-	-	1	3	25	1	-	21
Montana.....	-	3	6	45	-	-	-	-	10	-	-	-
Idaho.....	-	3	43	56	-	-	-	-	-	-	-	-
Wyoming.....	-	4	10	-	-	-	1	-	3	-	-	-
Colorado.....	-	8	156	174	-	-	-	2	3	-	-	-
New Mexico.....	-	3	243	227	-	-	-	1	7	1	-	11
Arizona.....	1	10	107	90	-	-	-	-	2	-	-	10
Utah.....	-	6	69	87	-	-	-	-	-	-	-	-
Nevada.....	-	5	-	2	-	-	-	-	-	-	-	-
PACIFIC.....	6	219	475	332	-	-	-	2	22	6	2	172
Washington.....	-	18	33	56	-	-	-	-	1	-	-	-
Oregon.....	-	15	1	14	-	-	-	-	-	2	-	8
California.....	6	176	425	247	-	-	-	2	21	4	1	164
Alaska.....	-	6	9	8	-	-	-	-	-	-	1	-
Hawaii.....	-	4	7	7	-	-	-	-	-	-	-	-
Puerto Rico.....	1	8	1	1	2	-	-	-	4	2	3	13

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Table 4 (A). TOTAL DEATHS IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period.^o)

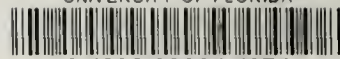
Area	For weeks ending				Area	For weeks ending			
	6/30	7/7	7/14	7/21		6/30	7/7	7/14	7/21
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.	222	234	206	239	Atlanta, Ga.	113	92	113	95
Bridgeport, Conn.	28	31	41	43	Baltimore, Md.	241	199	253	226
Cambridge, Mass.	33	22	27	25	Charlotte, N.C.	26	36	41	30
Fall River, Mass.	27	30	31	18	Jacksonville, Fla.	66	65	57	70
Hartford, Conn.	54	43	51	49	Miami, Fla.	72	74	82	68
Lowell, Mass.	37	22	23	18	Norfolk, Va.	52	43	34	53
Lynn, Mass.	16	22	19	25	Richmond, Va.	73	81	78	67
New Bedford, Mass.	27	29	27	16	Savannah, Ga.	34	22	42	39
New Haven, Conn.	52	42	47	31	St. Petersburg, Fla.	71	63	70	64
Providence, R.I.	56	51	67	61	Tampa, Fla.	59	59	93	61
Somerville, Mass.	11	10	13	16	Washington, D.C.	173	174	184	183
Springfield, Mass.	37	58	36	43	Wilmington, Del.	31	28	45	32
Waterbury, Conn.	22	28	32	24					
Worcester, Mass.	69	44	59	42	EAST SOUTH CENTRAL:				
MIDDLE ATLANTIC:					Birmingham, Ala.	89	60	86	94
Albany, N.Y.	35	31	34	34	Chattanooga, Tenn.	36	25	50	40
Allentown, Pa.	37	30	28	37	Knoxville, Tenn.	24	16	26	30
Buffalo, N.Y.	133	105	146	140*	Louisville, Ky.	121	128	93	147
Camden, N.J.	44	37	47	42	Memphis, Tenn.	96	106	112	136
Elizabeth, N.J.	23	27	28	27	Mobile, Ala.	35	46	36	65
Erie, Pa.	47	39	37	30	Montgomery, Ala.	21	21	31	38
Jersey City, N.J.	42	51	71	73	Nashville, Tenn.	74	46	64	71
Newark, N.J.	95	104	93	103					
New York City, N.Y.	1,502	1,497	1,580	1,464	WEST SOUTH CENTRAL:				
Paterson, N.J.	32	40	41	21	Austin, Tex.	25	33	22	39*
Philadelphia, Pa.	500	503	416	601	Baton Rouge, La.	26	29	32	40
Pittsburgh, Pa.	176	188	169	159	Corpus Christi, Tex.	31	13	22	37
Reading, Pa.	20	17	26	19	Dallas, Tex.	143	127	123	140
Rochester, N.Y.	105	93	115	116	El Paso, Tex.	36	40	23	32
Schenectady, N.Y.	27	24	20	22	Fort Worth, Tex.	75	78	53	61
Scranton, Pa.	38	32	41	34	Houston, Tex.	203	128	190	185
Syracuse, N.Y.	65	48	55	73	Little Rock, Ark.	74	53	57	59
Trenton, N.J.	45	32	47	48	New Orleans, La.	157	163	181	224
Utica, N.Y.	35	28	20	27	Oklahoma City, Okla.	63	58	87	76
Yonkers, N.Y.	25	25	22	36	San Antonio, Tex.	103	103	104	107
					Shreveport, La.	45	33	63	62
					Tulsa, Okla.	53	42	68	55
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio.	46	54	49	51	Albuquerque, N. Mex.	31	26	34	26
Canton, Ohio.	34	32	24	29	Colorado Springs, Colo. ...	13	16	14	10
Chicago, Ill.	664	663	771	618	Denver, Colo.	139	89	123	160
Cincinnati, Ohio.	158	143	171	171	Ogden, Utah.	16	16	18	14
Cleveland, Ohio.	181	192	240	185*	Phoenix, Ariz.	90	72	70	80
Columbus, Ohio.	145	126	110	119	Pueblo, Colo.	12	14	15	13
Dayton, Ohio.	88	83	92	84	Salt Lake City, Utah.	59	47	51	44
Detroit, Mich.	365	333	323	314	Tucson, Ariz.	52	39	36	37
Evansville, Ind.	43	37	38	49					
Flint, Mich.	57	32	51	31	PACIFIC:				
Fort Wayne, Ind.	46	31	39	45	Berkeley, Calif.	14	10	14	14
Gary, Ind.	39	24	25	26	Fresno, Calif.	35	38	38	48
Grand Rapids, Mich.	49	48	50	29	Glendale, Calif.	36	23	45	32
Indianapolis, Ind.	130	115	173	139	Honolulu, Hawaii.	37	39	46	45
Madison, Wis.	36	24	39	20	Long Beach, Calif.	43	60	77	55
Milwaukee, Wis.	122	114	94	116	Los Angeles, Calif.	477	438	470	416
Peoria, Ill.	22	33	22	21	Oakland, Calif.	93	70	71	100
Rockford, Ill.	17	36	30	24	Pasadena, Calif.	41	29	34	31
South Bend, Ind.	45	28	43	45	Portland, Oreg.	76	78	133	100
Toledo, Ohio.	108	67	114	69	Sacramento, Calif.	63	57	71	70
Youngstown, Ohio.	51	66	44	39	San Diego, Calif.	81	85	110	83
					San Francisco, Calif.	177	165	192	172
WEST NORTH CENTRAL:					San Jose, Calif.	34	36	27	41
Des Moines, Iowa.	47	48	66	44	Seattle, Wash.	127	118	152	143
Duluth, Minn.	45	15	23	21	Spokane, Wash.	53	37	70	49
Kansas City, Kans.	40	29	37	44	Tacoma, Wash.	46	40	31	43
Kansas City, Mo.	151	104	121	128					
Lincoln, Nebr.	22	22	22	27	San Juan, P.R.	14	26	24	28
Minneapolis, Minn.	105	104	117	114					
Omaha, Nebr.	68	65	77	74					
St. Louis, Mo.	229	212	264	217					
St. Paul, Minn.	71	61	66	54					
Wichita, Kans.	51	44	47	38					

^oCurrent Week Mortality for 108 Selected Cities

- 4(A) Total Mortality, all ages.....10,767
 4(B) Pneumonia-Influenza Deaths, all ages..... 389
 4(C) Total Deaths under 1 Year of Age..... 751
 4(D) Total Deaths, Persons 65 years and over..... 5,861

*Estimate - based on average percent of divisional total
 Totals for previous weeks include reported corrections.

NOTE: All deaths by place of occurrence.



Clinically, the cases were marked by sudden onset with malaise, lassitude, nausea, and chilly sensations, followed by severe headache, high fever, mental confusion, drowsiness and, occasionally, convulsions. Almost all were hospitalized within five days after onset. Vomiting was not a prominent symptom and was rarely projectile. Tremors involving the extremities, tongue and face were noted in several; two experienced speech difficulty and two demonstrated cerebellar ataxia. Nuchal rigidity was present in almost all at the time of hospital admission; reflex abnormalities were found to vary markedly in the same patient over a short period of time. Spasticity of one or more extremities was frequently present, disappearing over one to two weeks time. Ophthalmologic examination revealed occasional evidence of early papilledema but few other abnormal findings. Fever was usually highest during the first week of illness, falling by lysis within two weeks following onset. The patients generally improved rapidly after the temperature returned to normal; by the end of three weeks, the majority had recovered completely.

Field investigations revealed no apparent common exposure although all could recall frequent insect bites prior to the onset of illness. Spraying for mosquitoes had been carried out in the affected areas until late August when, because of negligible rainfall, low catches of mosquitoes and few mosquito biting complaints, it had been terminated.

Serological studies indicated the presence of high circulating antibody titers to St. Louis Encephalitis among a significant proportion of chickens, other birds, mammals and reptiles tested. One isolate from mosquitoes trapped at the time of investigation was identified as a Group B arthropod-borne agent resembling St. Louis Encephalitis.

The Morbidity and Mortality Weekly Report is issued weekly by the Communicable Disease Center, Atlanta, Georgia, and as of July 1, 1962, had a circulation of 8,876 copies.

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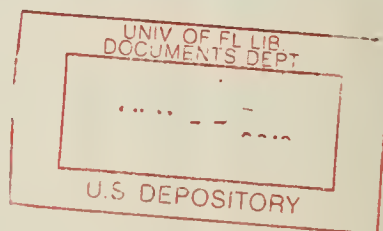
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INTERNATIONAL NOTES - QUARANTINE MEASURES

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